

Public Notice – Environmental Permit

PURPOSE OF NOTICE: To seek public comment on a draft permit from the Department of Environmental Quality for the withdrawal of ground water in Northampton, Virginia.

PUBLIC COMMENT PERIOD: August 10, 2013 to September 9, 2013

PERMIT NAME: Ground Water Withdrawal Permit issued by DEQ, under the authority of the State Water Control Board

APPLICANT NAME, ADDRESS AND PERMIT NUMBER: Phillip Custis; 6056 Seaside Rd, Nassawadox, VA 23413; GW0069800

NAME AND LOCATION OF WATER WITHDRAWAL: Custis Farm; Seaside Rd. off of Route 13, south of Hadlock

PROJECT DESCRIPTION: Phillip Custis has applied for a new permit for crop irrigation in Northampton, Virginia. The permit would allow the applicant to withdraw an average of 155,616 gallons per day. The ground water withdrawal will support recharging an irrigation pond and cleaning and filling farm equipment. The proposed withdrawal will utilize the Upper Yorktown-Eastover aquifer at a depth between 110 feet to 175 feet below the land surface at the withdrawal site. An aquifer is a body of rock or layer of sediment in the ground in which ground water is stored and transported. DEQ has made a tentative decision to issue the permit.

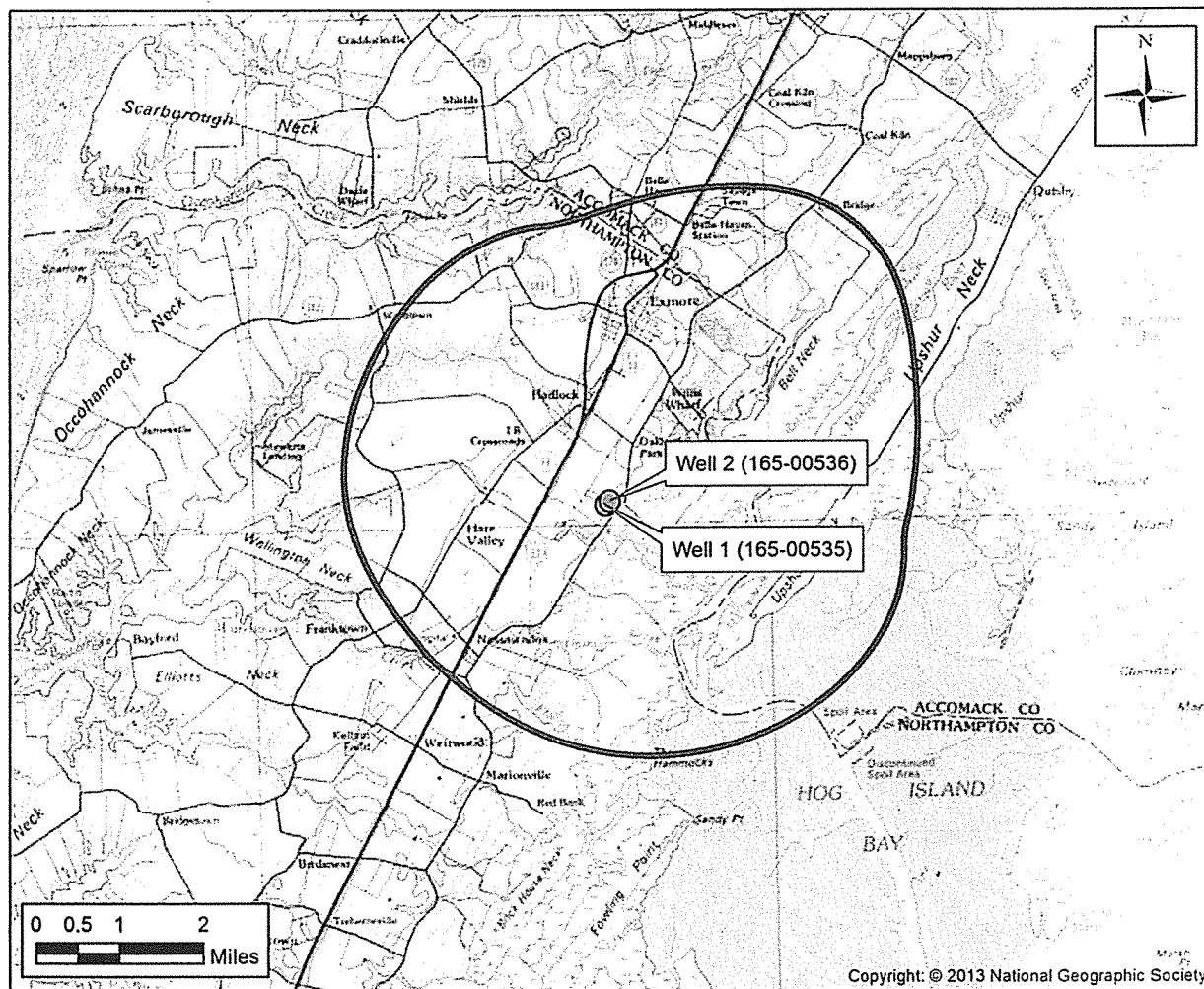
AFFECTED AREA: The radial distance from the wells to where computer modeling predicts the aquifers may experience one foot of drawdown due to the withdrawal is illustrated on a maps that can be viewed at

<http://www.deq.virginia.gov/Programs/Water/WaterSupplyWaterQuantity/GroundwaterPermitting/PublicNotices.aspx>

HOW TO COMMENT AND OR REQUEST A PUBLIC HEARING: DEQ accepts comments and requests for public hearing by e-mail, fax or postal mail. All comments and requests must be in writing and be received by DEQ during the comment period. Submittals must include the names, mailing addresses and telephone numbers of the commenter/requester and of all persons represented by the commenter/requester. A request for public hearing must also include: 1) The reason why a public hearing is requested. 2) A brief, informal statement regarding the nature and extent of the interest of the requester or of those represented by the requestor, including how and to what extent such interest would be directly and adversely affected by the permit. 3) Specific references, where possible, to terms and conditions of the permit with suggested revisions. DEQ may hold a public hearing, including another comment period, if public response is significant and there are substantial, disputed issues relevant to the proposed permit. CONTACT FOR PUBLIC COMMENTS, DOCUMENT REQUESTS AND ADDITIONAL INFORMATION: Hank Ghittino; DEQ, 5636 Southern Blvd. Virginia Beach, VA, 23451; Phone: 757-518-2197; E-mail: hank.ghittino@deq.virginia.gov; FAX: 757-518-2009. The public may review the draft permit and application at the DEQ office named above by appointment.

Custis Farm

Area of Impact - Upper Yorktown-Eastover Aquifer



- Custis Wells
- Upper Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Upper Yorktown-Eastover aquifer resulting from a 10 year lump sum of 527,100,000 gallons simulated for 9 years at 56,800,000 gallons per year followed by 21 days at 23,500,000 gallons per month from the Upper Yorktown-Eastover aquifer.

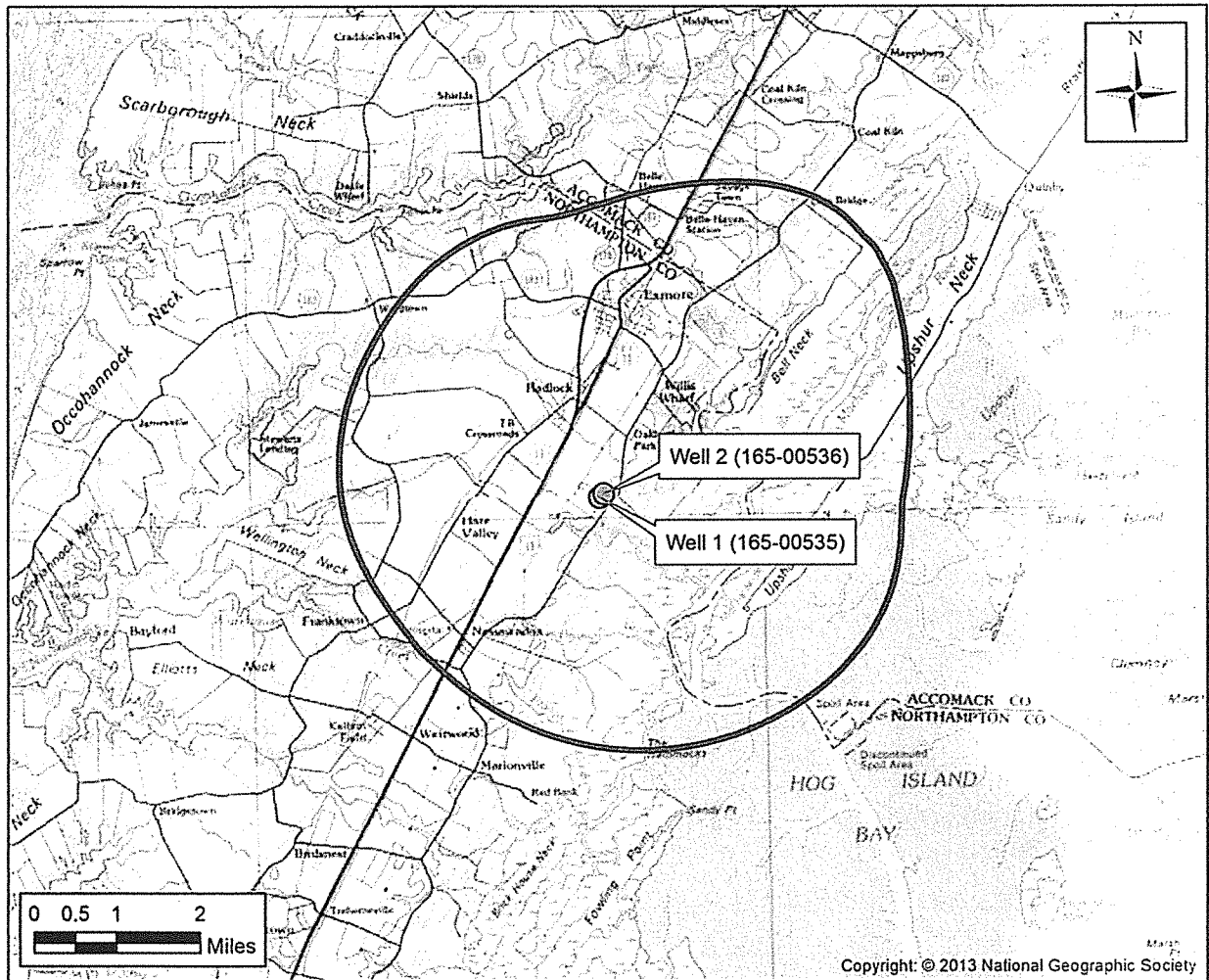
Maximum radius of one-foot drawdown (Area of Impact) occurs 4.6 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning March 12, 2013



Custis Farm

Area of Impact - Middle Yorktown-Eastover Aquifer



● Custis Wells

○ Middle Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Middle Yorktown-Eastover aquifer resulting from a 10 year lump sum of 527,100,000 gallons simulated for 9 years at 56,800,000 gallons per year followed by 21 days at 23,500,000 gallons per month from the Upper Yorktown-Eastover aquifer.

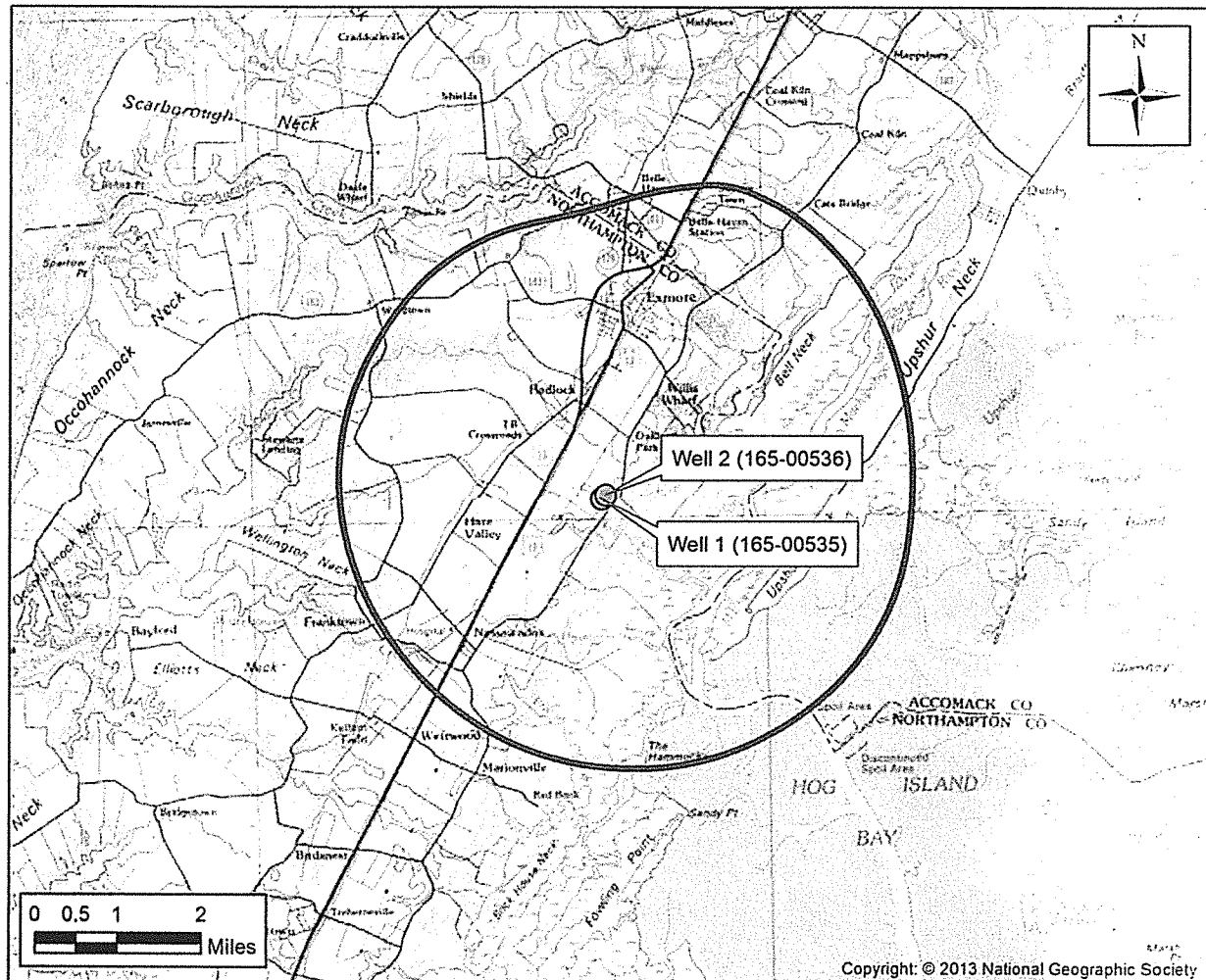
Maximum radius of one-foot drawdown (Area of Impact) occurs 4.6 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning March 12, 2013



Custis Farm

Area of Impact - Lower Yorktown-Eastover Aquifer



● Custis Wells

○ Lower Yorktown-Eastover Area of Impact

Simulated drawdown at or exceeding one foot in the Lower Yorktown-Eastover aquifer resulting from a 10 year lump sum of 527,100,000 gallons simulated for 9 years at 56,800,000 gallons per year followed by 21 days at 23,500,000 gallons per month from the Upper Yorktown-Eastover aquifer.

Maximum radius of one-foot drawdown (Area of Impact) occurs 4.2 miles from the pumping center. The Virginia Eastern Shore Model developed by the USGS was used to simulate drawdown.

Technical evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning March 12, 2013

